

UNIVERSITY OF UTAH
SALT LAKE CITY 12

COLLEGE OF MEDICINE

LABORATORY

FOR THE STUDY OF HEREDITARY AND
METABOLIC DISORDERS
BUILDING 100

September 9, 1959

Dr. Joshua Lederberg
Department of Genetics
School of Medicine
Stanford University
Stanford, California

Dear Josh:

Your letter and the enclosed reprint arrived while I was enjoying an all too brief vacation in Southern California.

Your suggestion regarding the carbohydrate fraction as responsible for complement fixation is indeed a good one. We had already tried this two years ago. In experiments with the glycopeptides it was found that they do not fix complement nor do they inhibit the binding of complement during the interaction between γ -globulin and anti- γ -globulin. We have also performed a number of other similar and related tests, but up to now all of these results have been negative. It may be that our glycopeptide fractions are too small to provide a critical test of these ideas. Nevertheless, we shall persist and we hope to make further progress this year on the structure of the carbohydrate itself.

With all best regards.

Sincerely yours,



Emil L. Smith

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SMITH, E.L.